

ABSTRACT OF THE DISCLOSURE

A mapping language, insertable into a DTD, allows automatic mapping from data sources into XML. A mapping results from the establishment of a correspondence between entities in a data source on the one hand and lists and scalars on the other hand. The language maps the lists and scalars to XML elements and attributes. The mapping language includes two constructs: the binding specification and the value specification. The value specification associates with a value or choice declaration. The binding specification includes at least one variable/expression pair. The constructs are insertable into a DTD to create an annotated DTD.